

# The USAMMA Newsletter

4th Quarter 2001

United States Army Medical Materiel Agency, Fort Detrick, Maryland 21702-5001

The U.S. Army Medical Materiel Agency

## MAINTENANCE ENGINEERING AND OPERATIONS DIRECTORATE (An Overview)

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The Maintenance Engineering and Operations Directorate (MEOD) is part of the USAMMA, located at Fort Detrick, Maryland. The directorate is comprised of the AMEDD National Maintenance Point (NMP), Maintenance Publications, and Maintenance Operations. In addition, the MEOD operates three depot-level biomedical maintenance operations divisions located at Tobyhanna, PA, Hill Air Force Base, UT, and Tracy, CA.

The MEOD serves as an AMEDD focal point for multiple aspects of medical materiel maintenance. One of the primary responsibilities of the Directorate is ensuring that reliability, availability, and maintainability are all included in the acquisition process for each new item of TOE medical equipment and that support items such as TMDE, repair parts, MEDSTEP and publications are all available when new systems are delivered to the end users. Essentially, the Directorate's goal is to ensure that all of our medical equipment is maintained during peacetime and sustainable during contingencies. To that end, we have developed several new initiatives such as the Repair Parts Program, the AMEDD Sustainment Maintenance Program, and the publication of the TM-10 and -20 standards. Each of these topics is touched on in this newsletter with even more information available from the USAMMA website. On page 10 you will also find a list of the key positions within the MEOD with functions, titles and telephone numbers.

The Maintenance Engineering and Operations Directorate website is ever-changing and growing. To view it, please navigate to:

<http://www.armymedicine.army.mil/usamma/maintenance>

It can also be accessed through a link on the USAMMA's website:

<http://www.armymedicine.army.mil/usamma/>

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## REPAIR PARTS SUPPORT

(Mr. Jack Rosarius, USAMMA, MMM-D, DSN 343-4365 / COMM 301-619-4365;  
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Many of the repair parts needed by Table of Organization and Equipment (TO&E) medical units are no longer available from the original manufacturer and are being sold by alternate vendors with different part numbers. As a result, some technicians are having difficulty identifying and ordering repair parts for their medical equipment. To help alleviate this problem,

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## A Message From The Executive Editor



**LTC PATRICK T. BYRNE**

"Maintenance." To many a logistician, it is something that we worry about only after we take care of everything else. Oftentimes, we neglect that part of our profession because of the immediate priorities demanding our attention. I suppose that is OK in the short run; but in the long run, it is fair to say that we tend to neglect, albeit benignly, the maintenance mission altogether. For those fortunate to be assigned to fixed facilities, there are processes, systems, standards, people, and resources to accomplish the maintenance mission. It's quite a bit different for those assigned to deployable units. Those same processes, systems, standards, etc., just don't carry over very well. And when you try to report "readiness" - well, that's another story.

Anyone who has been there knows how critical maintenance is at the Unit level. It's ... like .. *right there!*. The stuff is supposed to work and there's no escaping it when it doesn't. What many people don't realize is just how vital maintenance *management* is to the well being of the deployable force. Maintenance Management, after all, is one of the tenets of logistics. I'm talking about the little things like 10/20 standards, preventative maintenance, services, DA Form 2406s, etc., and status reporting. At the Unit level, it's fairly easy to see how well your equipment is fairing and, for the most part, maintenance is a no-brainer -- it must be done. But that's where the warm fuzzies end, and the problems begin. From that point on, as you move up the organizational structure, the levels of detail and information necessary to manage the maintenance drop dramatically. Why?? Because the processes and the systems don't mesh quite as nicely as they should.

So what's the point of this discussion?

In this issue are short but very important articles that point to underlying changes in maintenance. Besides the obvious maintenance implications, you need to know that the USAMMA's fielding practices are changing and will require you to increase your focus on maintenance. The AMEDD can no longer afford to purchase new sets and equipment and outright replace your existing equipment. In the near future, the USAMMA will start to field upgrade packages that contain only the difference of what was originally fielded to you and what you are currently authorized. This new practice is compounded by a decreasing pool of depot assets as we increase our reliance on commercial industry capabilities, i.e., the stockpile is coming down. The combination of these two factors may mean that you will have to maintain a particular piece of equipment longer than originally intended. While the new fielding policy is not yet a reality, the draft policy and implementing guidance are already in the works. Now more than ever, you will deploy with what you have, so take care of it and keep it that way.

Respectfully,

PATRICK T. BYRNE  
LTC, MS  
Chief

Information Management/Information Technology

The Information Management/Information Technology Division of the U.S. Army Medical Materiel Agency, Medical Research and Materiel Command, Fort Detrick, MD 21702-5001, publishes *The USAMMA Newsletter*. The contents of *The USAMMA Newsletter* are in relentless pursuit of MEDICAL READINESS for all military activities -- worldwide. Duplication of *The USAMMA Newsletter* is encouraged. Our telephone prefix numbers are DSN 343-xxxx or Commercial 301-619-xxxx; telefax extension is 4372; e-mail should be addressed to [Pat.Mullican@amedd.army.mil](mailto:Pat.Mullican@amedd.army.mil).

Commander ..... COL David W. Williams, Ext. 7461  
Executive Editor ..... LTC Patrick T. Byrne, Ext. 4463  
Chief Editor ..... Pat Mullican, Ext. 4313



## The USAMMA Commander's Comments

Before I introduce this issue of the *USAMMA Newsletter*, I want to personally acknowledge the many contributions of a true professional and Great American, CW5 Rocky Place, as he joins the honored ranks of retired maintenance Warrants, now completing a full and influential 30-year career! He served the medical maintenance profession in all uniforms - enlisted, NCO and Warrant, and at all levels - from shop to schoolhouse, and around the globe. He has made an enduring positive impact on the AMEDD and the Army, in the many organizations and units with which he had associated, and the many programs he nurtured and developed.

His main legacy to the AMEDD will be the lives he touched and the minds he opened, through the knowledgeable leadership, training and mentorship he provided to all whom he encountered. He is an outspoken (just ask him!) advocate for medical maintenance and for the ranks of its many professionals, he has represented and served you, and the AMEDD, well.

As a friend and fellow professional, his presence in uniform will be missed, but his dedication and contributions throughout his career should serve as an example to us all.

In the next issue of the *USAMMA Newsletter* we will outline his many accomplishments, including his military biography. In the meantime I wish to him and his family only the best of luck, and bountiful fishing, for years to come.



COL DAVID W. WILLIAMS

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This issue of the *USAMMA Newsletter* is dedicated to the Medical Maintenance Field, and the many officers, NCOs, enlisted soldiers, Department of Army civilians and contractors who ensure the viability and responsiveness of all the medical equipment located throughout the world. The Army and the AMEDD have a tremendous investment in the highest quality, technologically advanced medical equipment, whether in fixed facilities, aboard ship, stored in prepositioned configuration, in DEPMEDs storage or deployed into theaters around the world. But the successful delivery of first-class health care to soldiers on point, in garrison, or to their family members, depends upon this equipment working – first time...every time.

From the smallest deployable pulse oximeter to tertiary care imaging systems – each plays a vital role at the various echelons of patient care. In similar fashion, the medical maintainer is ubiquitous, from front line to depot, providing the support and technical “know how” required to sustain our investment throughout the acquisition lifecycle, making the entire system run at peak effectiveness. Although a small, but elite and highly trained specialty within our AMEDD family, medical maintenance professionals quietly perform their duties – so critical to our daily mission accomplishment.

The Medical Engineering and Operations Directorate of the USAMMA has compiled a series of articles and references in this issue outlining tremendously innovative ideas and resources, to help you succeed wherever you operate. I encourage you to read through it carefully, and take advantage of the many points of contact provided. Please be sure to share your copy with others. Your feedback is also welcome, as we strive to make this a meaningful and helpful publication that serves as a useful reference. Please let us know what you think!

Semper Responsus!

DAVID W. WILLIAMS  
Colonel, MS  
Commander

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## PROPOSED TMDE TO REPLACE THE RT-200

(SGM Kevin Culihan, MEDCOM TMDE Coordinator, DSN 343-4383 / COMM 301-619-4383;  
e-mail [Kevin.Culihan@amedd.army.mil](mailto:Kevin.Culihan@amedd.army.mil))



The BIO-TEK VT Plus is a general purpose gas flow analyzer with special modes designed specifically for testing mechanical patient ventilators.

It measures bi-directional flow in both high and low ranges, as well as high and low pressure ranges. It also uses an integrated sensor to measure the oxygen percent of the gas in the high-flow channel. It measures multiple parameters on each detected breath such as tidal volume, minute volume, inspiratory and expiratory pressures, lung compliance, etc., and you can select the desired units for each of the measured signals. It performs leak rate tests of test lungs and sealed vessels and is used to perform trend testing. It can interface with a printer for printing flow and pressure values and breath parameters. A standard bi-directional RS232 serial port allows connection to a personal computer for external control and data logging; it can also be set up to emulate an RT-200 for use with existing ventilator calibration software. The unit will operate with or without a test lung.

Overall, the VT Plus provides a larger range of test and verification capabilities than the RT-200 for use in calibration and verification of ventilators and anesthesia equipment.

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## TM 10/20 STANDARDS UPDATE

(CW2 Roy Greene, USAMMA, MMM, DSN 343-4373 / COMM 301-619-4373; e-mail [Roy.Greene@amedd.army.mil](mailto:Roy.Greene@amedd.army.mil))

The cornerstone of unit maintenance is the operator/crew performing PMCS from the applicable TM 10-series. Unit mechanics will use the TM 10- and 20-series to identify and correct faults (see AR 750-1, Chapter 3, paragraphs 9.b and c). While these guidelines have traditionally been cited in association with vehicle maintenance, *unit* maintenance is more encompassing to include, among other areas, medical equipment.



TMs 10- and 20-series maintenance standards for reportable medical equipment will soon be published to the USAMMA Maintenance website, under Publications. Non-reportable equipment will be posted at a later date.

<http://www.armymedicine.army.mil/usamma/maintenance>

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## THE USAMMA CD ROM 'SPEAKS' VOLUMES

(LTC Pat Byrne, MCMR-MMI, IM/IT Division, DSN 343-4463 / COMM 301-619-4463;  
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We at the USAMMA take great pride in providing medical logistics information to the logistics community. We realize too, that receiving current and vital logistics information through normal distribution channels can be slow-moving and frustrating. In response to this condition, The USAMMA created *The USAMMA CD ROM*. Now on its second release (Winter Edition 2001), the USAMMA CD ROM contains all the latest and updated logistics information.

To receive a copy of the CD, please take the time to complete a request form at our website:

<http://www.armymedicine.army.mil/usamma/USAMMA-CDROM/cdrom-order.html>





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Continued from page 1, Repair Parts Support

the Maintenance Support Division, Ogden, UT, is establishing a centralized Class VIII Repair Parts Program. This program may have significant advantages to you. The program will:

- ◆ Eliminate your research time. You identify the part number you need and the equipment it belongs to and give us a call. Through this program we will develop a centralized database which cross-references part numbers. This means that when vendors go out of business or change part numbers, we do the research for you.
- ◆ Save you money. When manufacturers have minimum quantity orders or minimum dollar-level orders, we will absorb the items or quantities that you don't need. You only pay for the item or items that you want.
- ◆ Bridge the time gap. Some manufacturers stop supporting medical equipment with little or no notice. This leaves a time lag between the supportability of existing equipment and the procurement of replacement equipment. We will bridge this gap by maintaining a parts inventory for equipment that the manufacturer stops supporting.
- ◆ Aid in the identification of high-mortality parts that should become part of a unit's Class VIII Prescribed Load Listing (PLL) at deployment.

The Medical Maintenance Support Division, Ogden, UT, currently has a supply of some repair parts and has the capability to provide overnight shipping for emergencies. For those parts that we do not stock, we will pass the requisition to the vendor with instructions to ship the parts directly to you. These repair parts are not free. The Medical Maintenance Support Division, Ogden, UT, must be reimbursed for the actual costs of the parts that you order.

For information on this program or to order parts, please call the Support Division, Ogden, UT, at 801-399-6065 or fax your requests to 801-399-6792.

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### **ARMY MEDICAL DEPARTMENT (AMEDD) SUSTAINMENT MAINTENANCE PROGRAM**

(Mr. Jack Rosarius, USAMMA, MMM-D, DSN 343-4365 / COMM 301-619-4365;  
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The USAMMA has recognized that adequate sustainment maintenance is not being performed for equipment in Active component (AC), Reserve Component (RC), and National Guard (NG) units. The current AMEDD system for maintaining the table of organization and equipment (TOE) medical equipment is unstructured and disjointed with no central focal point or clear levels of responsibility. Sustainment maintenance is fragmented, duplicative, and the overall status of medical equipment is unknown. TOE medical equipment is currently being maintained on an ad-hoc basis or is not being maintained at all. Some units do not know where to get their next level of maintenance.

The AMEDD Sustainment Maintenance Program will provide adequate and essential direct support/general support (DS/GS) medical maintenance to the total Army. The program is an Office of The Surgeon General/Medical Command (OTSG/MEDCOM) initiative with the USAMMA Maintenance Directorate as the action office. The USAMMA will have operational responsibility for the program, once implemented, and act as the focal point for all TOE medical equipment maintenance. The OTSG/MEDCOM will establish policy and provide strategic guidance and oversight.

The overall objectives of the AMEDD Sustainment Maintenance Program are to:

- 1 - Increase readiness by ensuring TOE medical equipment is mission capable;
- 2 - Provide visibility of medical equipment status for the total Army;
- 3 - Increase flexibility to cross-level DS/GS sustainment maintenance workload;
- 4 - Establish sustainment training for medical equipment maintainers; and
- 5 - Provide a maintenance structure that will accommodate any maintenance-related initiative.

This program will provide units with one-stop shopping and the major commands (MACOMs) with continual visibility of equipment status. DS/GS maintenance support will be provided by the USAMMA Maintenance Divisions, Medical Logistics Battalions (MEDLOG Bns), table of distribution and allowances medical treatment facilities (TDA MTFs), and regional training sites – medical (RTS-MED). Every Army TOE unit with medical equipment requiring maintenance

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## NARKOMED - MAINTENANCE

(Mr. Jerry Pierson, MMOD, Ogden, DSN 586-4947 / COMM 801-586-4947;  
e-mail [Jerry.Pierson@hill.af.mil](mailto:Jerry.Pierson@hill.af.mil))

### Narkomed Anesthesia Apparatus Power Supply - Did you know???

First, we would like to thank SSG Schwalbe of Medical Maintenance, Kosovo for bringing the Narkomed Anesthesia Apparatus Power Supply issue to our attention. Customer feedback such as this helps us keep the facts straight! SSG Schwalbe sent the following email through the Maintenance Website: [Complaints-Recommendations@det.amedd.army.mil](mailto:Complaints-Recommendations@det.amedd.army.mil)

#### SSG Schwalbe Comments...

"... The Narkomed Anesthesia unit cannot be turned on when unplugged from the wall. Older models could do this. Our Unit just received a new one and this was the case. We called Draeger and they said that they changed power supplies a while ago and now you cannot turn on the Narkomed with it unplugged. It still will switch over when power is lost. It is nothing major, but can be a 'pain' if you try to fix a problem when it is not really one."



#### Manufacturer's response...

Mike Munsell of Draeger explains that regardless of the noticed and perceived differences between the new and old Narkomed M power supply, both versions should be treated the same: Both require AC to work, and the battery is only used as a backup source.

The Narkomed M was never intended or required to be able to be powered "ON" from battery only. The battery is only intended to provide backup power in case of AC removal or failure. It may have been noticed that older machines have this capability, though this was not intended nor publicized as such. As written in the Narkomed M operator's manual, the machine should not be powered "ON" using the battery only. The operator's manual states the following under "Daily Checkout":

*The following procedure shall be used to verify the integrity of the backup battery.*

#### Conclusion ...

Even though there is a difference in the design between the old and the new Narkomed M power supply, there is no call for concern regarding the proper way of using it. As was stated above, the battery is only for backup power and not an alternate power source. Follow the procedures as stated in the manual and you will never be wrong.

As for the 91As medical equipment technicians (MET), there is no need for change in the service manual. The power supply is checked and replaced as an assembly. The new part has the same part number and is compatible with all Narkomed M units.

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## NARKOMED ANESTHESIA CALIBRATION REQUIREMENTS

(Mr. Jerry Pierson, MMOD, Ogden, DSN 586-4947 / COMM 801-586-4947;  
e-mail [Jerry.Pierson@hill.af.mil](mailto:Jerry.Pierson@hill.af.mil))



The Narkomed Anesthesia System requires the following accessories in order to perform a proper calibration. Most of these items are included in the Service Manual (Test Equipment Required List, Page 6-1); the other items are included with the unit itself. The following items can handily fit in a small plastic tool box (about the size of a normal tackle box).

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support will have one point of contact for all of their medical equipment maintenance requirements.

While the program will be responsive to units with organic maintenance capability, it will also provide proactive support to units that lack medical equipment maintainers. Updates may be found at <http://www.armymedicine.army.mil/usamma/maintenance>

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continued from page 6, Narkomed Anesthesia...Requirements

Part Number	Item	Quantity
4114807	Test, Pressure Gauge ASM	1
4110425	Fresh Gas O2 Adapter	1
S010158	Fresh Gas Volume Test Device	1
4113119	Fresh Gas Leak Device	1
4104389	Adapter, ASM	2
S010159	Breathing System Leak Device	1
4115043	Baromed Pressure Test Fixture (Syringe)	1
9995330	3 Liter Breathing Bag	1
4107233	"Y" Connector	1
4114312	Breathing Bag Connector	1
9995132	22mm Hose, 32" Long	1
9995123	22mm Hose, 22" Long	1

All items can be obtained from North American Draeger, or they can be loaned out (30 days max) by the USAMMA, MMOD, Hill AFB.

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### NEW TOOL KITS UPDATE!!

(CW2 Roy Greene USAMMA, MMM, DSN 343-4373 / COMM 301-619-4373;  
e-mail [Roy.Greene@amedd.army.mil](mailto:Roy.Greene@amedd.army.mil))

There have been three tool kits traditionally used by 91As for the repair and maintenance of medical equipment:

1. SHOP SET, BATTALION MEDICAL MAINTENANCE;
2. ORGANIZATIONAL TOOL KIT; and
3. INDIVIDUAL REPAIRER'S TOOL KIT.

A review of the organizational and battalion medical maintenance tool kits identified redundancies and obsolete tools. As a result, the following changes are:



The **SHOP SET** will be replaced by the **SHOP SET MED MAINT GS Level Tool Kit** (Figures 1, 2, and 3).

The **ORGANIZATIONAL TOOL KIT** will be replaced by the **Unit Level Tool Kit** (Figure 4).

The **INDIVIDUAL REPAIRER'S TOOL KIT** is currently being considered for upgrading; however, no changes have been made at this point.

In the process of modernizing the SHOP SET and ORGANIZATIONAL TOOL KITS (items 1 and 2 above), a fourth tool set, the **DIRECT SUPPORT LEVEL TOOL KIT** has been created (Figure 5).

The upgrades have streamlined the list of tools, provided durable compartmentalized cases, and simplified the inventory process. New Supply Catalogs (SC) are in the editing stages for the GS Level, Unit Level, and the new DS Level Tool Kits. Plans are to field the GS Level Tool Kits in FY02.

Questions about any of the tool sets should be addressed to the POC of this article.



SHOP SET MED MAINT GS

NSN 6545-01-482-2907; LIN T24386; UA 8005, 1 of 2, Tool Cases

Figure ID No.	FEDLOG Nomenclature	NSN	Part #	Qty In Ea Set
1	TIP WELDING TORCH	3433-01-478-0106	1Z365	1
2	TORCH HANDLE	3433-01-478-0100	3VC86	1
3	CLEANER VACUUM ELECTRIC	7910-01-275-8064	5H489	1
4	HAMMER HAND	5120-01-336-4110	4A099	1
5	OXYGEN ACETYLENE KT	3433-01-478-0104	3VF01	1
6	WRENCH BOX AND OPEN END BOX COMB	5120-01-477-4763	3MM63	1
7	Empty			
8	TIP CUTTING TORCH	3433-01-478-0107	3VD06	1
9	TAP AND DIE SET THREAD CUTTING	5136-01-477-4760	3A141	1
10	GLOVES WELDER'S	8415-01-477-5447	4JF98	4
11	DIE AND TAP SET THREAD CUTTING	5136-01-477-6954	6X990	1
12	TIP CUTTING TORCH	3433-01-478-0109	3VD97	1
13	SPOOLGUN WELDING	3431-01-477-5343	4UV44	1
14	TIP CUTTING TORCH	3433-01-478-0110	3VD07	1
15	TIP CUTTING TORCH	3433-01-478-0113	3VD12	1

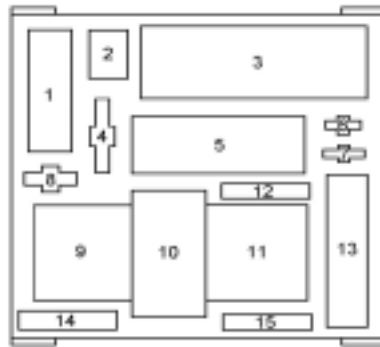


Figure 1. Shop Set (1 of 3)

SHOP SET MED MAINT GS

NSN 6545-01-482-2907; LIN T24386; UA 8005, 2 of 2, Tool Cases

Figure ID No.	FEDLOG Nomenclature	NSN	Part #	Qty in Ea Set
1	HELMET WELDER'S	4240-01-477-5367	1N791	1
2	EMPTY			
3	HELMET WELDER'S	4240-01-477-5367	1N791	1
4	WISE MACHINE TABLE	3460-01-477-5324	6Z847	1
5	GRINDER BENCH	3415-01-478-0259	4Z123	1
6	WISE MACHINIST'S	5120-01-479-1618	4TK28	1
7 - stacked	JACKET WELDER'S	8415-01-477-5429	2AZ36	1
(2 items)	JACKET WELDER'S	8415-01-477-5437	2AG83	1
8	DRESSER ABRASIVE WHEEL HAND	5120-00-223-9952	2X951	1
9	BRUSH WIRE ROTARY WHEEL	5130-01-372-9844	3A196	1

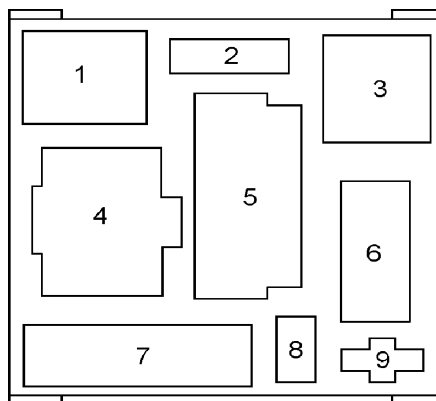


Figure 2. Shop Set (2 of 3)





### OTHER EQUIPMENT

The items of equipment listed below are part of the GS TOOL KIT that does not come in a tool case.

NSN	Nomenclature
3413-01-478-0267	Drilling Machine Upright
3431-01-477-5329	Welding Machine Arc
3431-01-477-5333	Welding Machine Arc
3433-01-477-5347	Torch Outfit Cutting
3640-01-478-0147	Grinder Tool Stand
3920-01-477-5354	Truck Cylinder Weld
4240-01-477-5388	Curtain Safety Welding
4240-01-477-5395	Curtain Safety Welding

Figure 3. Shop Set (3 of 3)

### UNIT LEVEL - LIN W45197, NSN 5180-01-483-1431

Figure ID No.	NSN	FEDLOG Nomenclature	Part #	Qty in Ea Set
1	5130-01-459-6060	DRILL-HAMMER, ELECTRIC PORTABLE	4TG99	1
2	7910-01-477-3836	CLEANER, VACUUM, ELECTRIC	4Z906	1
3	5120-01-477-4762	VICE, MACHINIST'S	3ZH0	1
4	5120-00-293-3485	PLIERS	2A478	1
5	5130-01-448-6702	SANDER, DISK, ELECTRIC, PORTABLE	1N573	1
6	5120-01-430-5070	RIVETER, BLIND, HAND	6A644	1
7	5210-01-477-3834	CALIPER, VERNIER	3T134	1
8	5120-01-336-7771	WRENCH, PLIER	6C661	1
9 s/s (2 items)	5120-01-478-5589	WRENCH SET, SOCKET	5C859	1
10	5120-01-430-4499	WRENCH SET, SOCKET	5C882	1
11	5133-01-478-7706	DRILL SET, TWIST	6X001	1
12	5120-01-477-4761	SCREWDRIVER BIT SET AND HANDLE	5A774	1
13	7920-01-479-0198	BRUSH, WIRE, SCRATCH	3A335	1
14	5120-01-336-5476	WRENCH, PIPE	6A652	1
15	5210-00-178-4227	TAPE, MEASURING	5F335	1
16	5120-01-482-7617	WRENCH SET COMBINATION	6A541	1
17	5120-01-428-5093	HAMMER, HAND	6R232	1
18	5120-01-335-2269	EXTRACTOR SET, SCREW	1U298	1
19	4240-01-477-5380	GOGGLES, INDUSTRIAL	1DN33	1
20	5120-01-067-5016	WRENCH SET COM 7 - 32MM	1AKP1	1
21	5110-00-247-2565	FILE SET, NEEDLE	6A632	1
22	5120-01-478-6295	PUNCH SET, CENTER SOLID	3X057	1
23	5110-01-428-5422	SAW, HAND, METAL CUTTING	4K799	1
24	5120-01-479-0200	PUNCH SET, DRIVE PIN	4PM13	1
	5120-01-430-6552	WRENCH, ADJUSTABLE	6X317	1

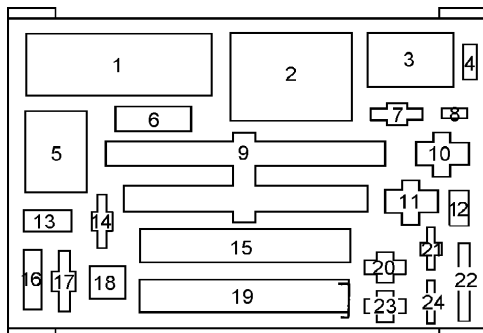


Figure 4. Unit Level Tool Kit

### TOOL SET, MED MAINTENANCE

DS LEVEL - NSN 5180-01-483-2185; LIN TBD, UA 8006

Figure ID No.	FEDLOG Nomenclature	NSN	Part #	Qty in Ea Set
1	SAW, RECIPROCATING, PORTABLE, ELECT	5130-01-444-4661	4GD72	1
2	BLADE SET, HOLE SAW	5130-01-478-5593	4L627	1
3	LIGHT, EXTENSION	6230-01-477-5409	6X755	1
4	CUTTER AND FLARING TOOL KIT, TUBE	5180-01-478-5591	4A518	1
5	PULLER, MECHANICAL 2/3 JAW	5120-01-477-6955	5U722	1
6	PULLER, MECHANICAL 2 JAW	5120-01-477-4764	4CR47	1
7	VICE, MACHINIST'S	5120-01-479-1619	4TK27	1
8 - s/s (2 items)	CLAMP, PLIER 6"	5120-01-336-7976	3A516	1
9	CLAMP, PLIER 11"	5120-01-336-7977	6C663	1
	GRINDER, ELECTRIC, PORTABLE	5130-01-455-5613	4KZ07	1
10	EXTRACTOR SET, SCREW	5120-01-477-3835	1U298	1
11	REAMER SET, MACHINE	3455-01-478-0141	3K464	1
12	WRENCH, PIPE	5120-01-336-5477	6A653	1
13	CUTTER, PIPE	5110-01-478-5592	4A506	1
14	CUTTER, GLASS	5110-01-478-5590	5C955	1

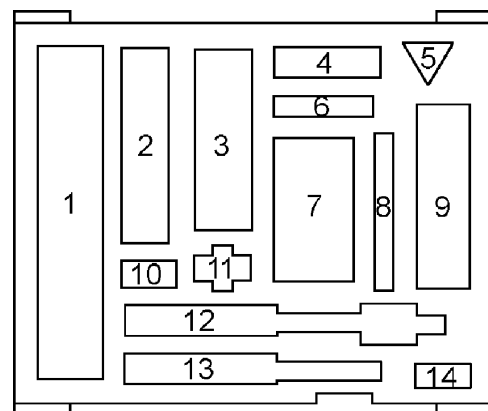
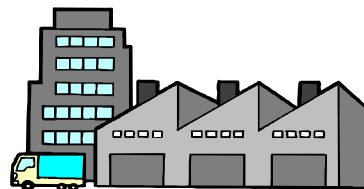


Figure 5. DS Level Tool Kit

continued from Page 1, Maintenance...(An Overview)



Position/Title/Telephone No or Extension	Area of Emphasis
<b>DIRECTOR, MAINTENANCE ENGINEERING AND OPERATIONS DIRECTORATE (4407)</b> Fort Detrick, MD DSN 343 / Commercial 301-619	
Administrative Assistant (4406)	Administrative support
Directorate Sergeant Major (4383)	TMDE coordinator
Chief, Maintenance Operations (4365)	
Division Sergeant Major (4464)	ISO 9000 facilitator
Equipment Specialist (4382)	PACS Maintenance Specialist
Equipment Specialist (4368)	Division work-order reconciliation, and reimbursements
Equipment Specialist (4378)	Customer service coordinator and Division project manager
<b>CHIEF, MAINTENANCE OPERATIONS DIV</b> Hill Air Force Base, UT Commercial 801-586-4947	Primary focus on TOE medical equipment
<b>CHIEF, SUPPORT DIV</b> Hill Air Force Base, UT Commercial 801-586-4949	Repair parts support for TOE
<b>CHIEF, MAINTENANCE OPERATIONS DIV</b> Tobyhanna, PA DSN 795-7744 / Commercial 570-895-7744	Primary focus on TDA medical equipment
<b>CHIEF, MAINTENANCE OPERATIONS DIV</b> Tracy, CA DSN 462-4556 / Commercial 209-839-4556	Primary focus on x-ray and TMDE
<b>CHIEF, AMEDD NATIONAL MAINTENANCE POINT (7451)</b> Fort Detrick, MD DSN 343 / Commercial 301-619	
Equipment Specialist (4376)	X-ray specialist, CT specialist, SF 380
Equipment Specialist (4377)	TOE Unit Fieldings, project management
Technical Information Specialist (4374)	MARC data repository
Maintenance Staff Officer (4375)	TOE equipment
Maintenance Staff Officer (4373)	PS support planning
Equipment Specialists (4369)	Automation coordination
Contractor (4381)	Sample data collection
<b>CHIEF, MAINTENANCE PUBLICATIONS (4366)</b> Fort Detrick, MD DSN 343 / Commercial 301-619	
Visual Information Specialist (4370)	Maintenance website, TMs, and Electronic publications
Visual Information Specialist (4379)	TMs, Electronic publications





**U.S. ARMY MEDICAL MATERIEL AGENCY**  
**1423 Sultan DR, Suite 100, Fort Detrick, MD 21702-5001**  
**Fort Detrick DSN 343-xxxx / Comm 301-619-xxxx / Staff Duty Officer-NCO, Ext 2400**  
**WEBSITE: <https://www.armymedicine.army.mil/usamma>**

<b>MCMR-</b>	<b>Office Title</b>	<b>Extension</b>	<b>FAX</b>
<b>MMZ-A</b>	<b>COMMANDER</b> , COL David W. Williams	7461	2270
<b>MMZ-B</b>	<b>CHIEF OF STAFF</b> , LTC Richard L. Bond	7461	
<b>MMA-I</b>	USAMMA Medical Logistics Management Internship Program, Sheila Slifer	7477	6947
<b>MMA-O</b>	SGM Dale M. Barker	4218	
<b>MMA-O</b>	<b>ADMINISTRATIVE SUPPORT OFFICE</b>		2270
	- Chief, Ms. Margaret Sayre	4402	
	- Military Personnel Branch (vacant)		
<b>MMC</b>	<b>RESOURCES MANAGEMENT DIVISION</b> , Chief, MAJ Mark A. Redick	4008	4446
<b>MMC-A</b>	- Managerial Accounting Branch, Chief, Mr. William H. Shearin	4003	
<b>MMC-B</b>	- Budget Branch, Chief, Ms. Janet Kennedy	4004	
<b>MMC-M</b>	- Management and Analysis Branch: Ms. Heladia Nardi / Mr. Gene Wroble	4012/4442	
<b>MMI</b>	<b>INFORMATION MANAGEMENT/INFORMATION TECHNOLOGY DIVISION</b> ,		
	Chief Information Officer (CIO) and Product Manager, LTC Patrick T. Byrne	4463	4372
<b>MMI</b>	Deputy CIO, Mr. Cal-Abram Johnson	7693/4431	
	URL Transition Lead, MAJ Song Gotiangco	7887	
<b>MMI-A</b>	- Applications and Development, Chief, Mr. Glenn Gincley	4335	
<b>MMI-M</b>	- MEDLOGTAV, Chief, MAJ Mark W. Dick	4339	
<b>MMI-NC</b>	- Networks & Communications, Chief, Ms. Barbara M. Van Dyke	4343	
<b>MMI-P</b>	- Product and Production Branch, Ms. Pat Mullican	4313	
<b>MML</b>	<b>RESERVE COMPONENT LIAISON OFFICER</b> , MAJ Michael C. O'Guinn	4355	
<b>MML</b>	Medical Reengineering Initiative Team, MAJ Michael C. O'Guinn	4355	
<b>MMM</b>	<b>MAINTENANCE ENGINEERING AND OPERATIONS DIRECTORATE</b> ,		
	Director, CW5 Roy V. Place	4407	2938
<b>MMM-D</b>	- Maintenance Operations, Chief, Mr. John K. Rosarius	4365	
<b>MMM-P</b>	- AMEDD National Maintenance Point, Chief, Mr. Yoshi Shino	7451/4382	
<b>MMM-DC</b>	- Medical Maintenance Operations Division, CA, Chief, Mr. Terrance Roth	DSN 462-4556	
<b>MMM-DP</b>	- Medical Maintenance Operations Division, PA, Chief, Mr. Daniel Danilovitz	DSN 795-7744	
<b>MMM-DU</b>	- Medical Maintenance Operations Division, UT, Chief, Mr. Jerry Pierson	(DSN N/A) 801-399-6774	
<b>MMM-SU</b>	- Medical Maintenance Support Division, UT, Chief, Ms. Terrel Pierson	(DSN N/A) 801-399-6790	
<b>MMO</b>	<b>OPERATIONS AND SUPPORT DIRECTORATE</b> ,		
	Director, LTC Marc L. Caouette	4307	2938
	Pharmaceutical Consultant to the Commander, LTC Marc L. Caouette	4307	
<b>MMO-S</b>	- Supply Operations Division, Chief, Mr. Kenneth Lindsey	4308	
<b>MMO-SD</b>	Data Management Branch (Vacant)		
<b>MMO-SU</b>	Unit Assemblage Branch (Vacant)		
<b>MMO-T</b>	- Technical Operations Division, Chief, LTC Marc L. Caouette	4307	
<b>MMO-TC</b>	Customer Support Branch, Chief, Ms. Paula Thorn	4305	
<b>MMO-TF</b>	Distribution Operations Center	4307	
<b>MMR</b>	<b>FORCE DEVELOPMENT &amp; SUSTAINMENT DIRECTORATE</b> ,		
	Director, LTC Christopher V. Roan	4310	4073
<b>MMR-M</b>	- Force Sustainment Division, Chief, MAJ Thayne Jolley	4356	
<b>MMR-A</b>	- Assembly Management Division, Chief, Mr. Ron Shoemaker	4390	
<b>MMS</b>	<b>STRATEGIC CAPABILITIES &amp; MATERIEL DIRECTORATE</b> ,		
	Director, LTC Michael P. Ryan	4405	4404
	- Logistics Operations Coordinator, Mr. Sheldon Shealer, Jr.	3018/4462	
<b>MMS</b>	- International Logistics Office	4419/2058	4166
<b>MMS-M</b>	- Strategic Materiel Division, Chief, Ms. Linda Foltz	4428	
<b>MMS-P</b>	- Plans & Operations Division, Chief, MAJ Andre R. Pippen	4347	
<b>MMS-SC</b>	Medical Logistics Operations, Charleston, SC, Chief, CPT Shawn Rickett	DSN 794-7776	
<b>MMS-O</b>	Operations Branch (Vacant)		
<b>MMS-P</b>	Plans Branch, Chief, CPT Lanita A. Taylor	4461	
<b>MMT</b>	<b>MATERIEL ACQUISITION DIRECTORATE</b> , 1432 Sultan Dr.,		
	Director, Mr. Earl Hartsock	4329	4480
<b>MMT-C</b>	- Contract Integration Division, Chief, Mr. Michael Beaulieu	4326	4480
<b>MMT-E</b>	- Equipment Acquisition Division, Chief, MAJ Vera Hudgens	4060	6819
<b>MMT-S</b>	- Technology Support Division, Chief, Ms. Dawn Rosarius	4473	7429



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